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PHOTOGRAPHIC INTELLIGENCE REPORT

VITAL RECORDS COPY

STATUS OF NORTH VIETNAMESE RAILROADS



DECLASS REVIEW by NIMA/DOD

REPORT NO. 31
CIA/PIR 75098

DATE MARCH 1967

GROUP 1
Excluded from automatic
downgrading and declassification

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WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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PREFACE

This report summarizes significant items of photo intelligence relating to the North Vietnamese railroad system which has been developed from available photography (received by the CIA Imagery Analysis Staff) during the period indicated on the cover. This report is intended to provide a comprehensive view of the railroad system and does not necessarily reflect the most recent status changes as reported by pilots' reports or field photo intelligence cables.

The railroad system has been divided into 5 major lines: the Hanoi/Lao Cai Line, the Hanoi/Dong Dang Line, the Hanoi/Haiphong Line, the Hanoi/Dong Hoi Line and the Thai Nguyen Line (Figure 1). Annotated maps and photos are used to show the status of each line.

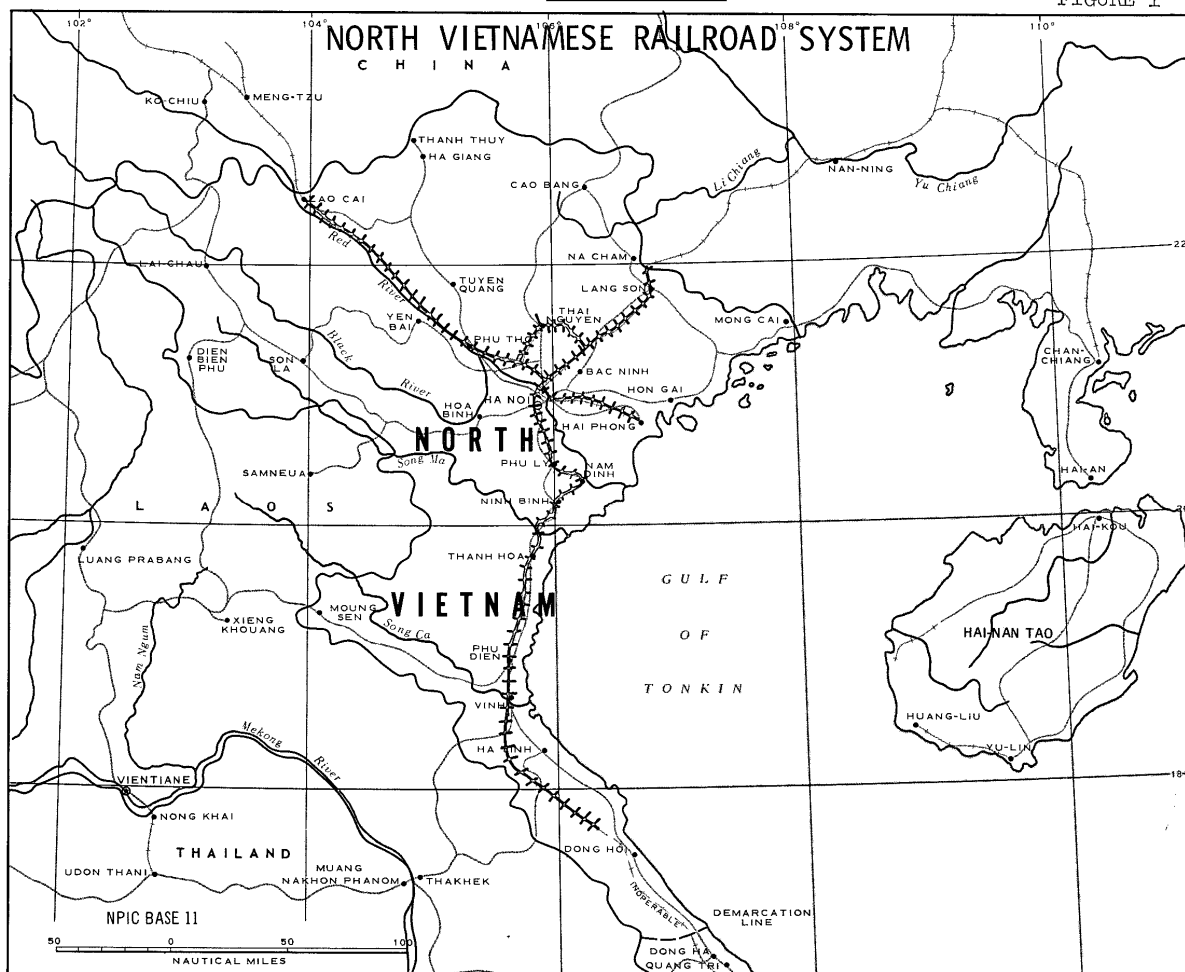
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FIGURE 1



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SUMMARY

Those portions of the Hanoi/Lao Cai and Hanoi/Dong Dang Rail Lines, covered by interpretable photography were open to through traffic. One bridge interdiction was noted on the Hanoi/Dong Hoi Rail Line

CONTENTS

Hanoi/Lao Cai Rail Line	Page 4
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Hanoi/Dong Hoi Rail Line	8
Hanoi/Haiphong Rail Line	23
Thai Nguyen Rail Line	24

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FIGURE 2

KEY

All maps within this report have been legend in the following manner:

- Main bridge destroyed - now serviceable.
- By-pass bridge or bridge serviceable.
- Main bridge unserviceable.
- All bridge crossing facilities unserviceable.
- ▲ By-pass bridge under construction.
- Original bridge has not been damaged or destroyed based on available photography.
- Extent of rail line covered by available, interpretative photography.
- Line of interest. Turn to the item number within the section for further information.

All intelligence developed within the reporting period is printed in red; older intelligence is printed in black.

Descriptions of bridges numbered 1 through 75 can be found in CHAPTER 6B, August 1968.

HANOI - LAO CAI
RAILROAD

0 5
STATUTE MILES

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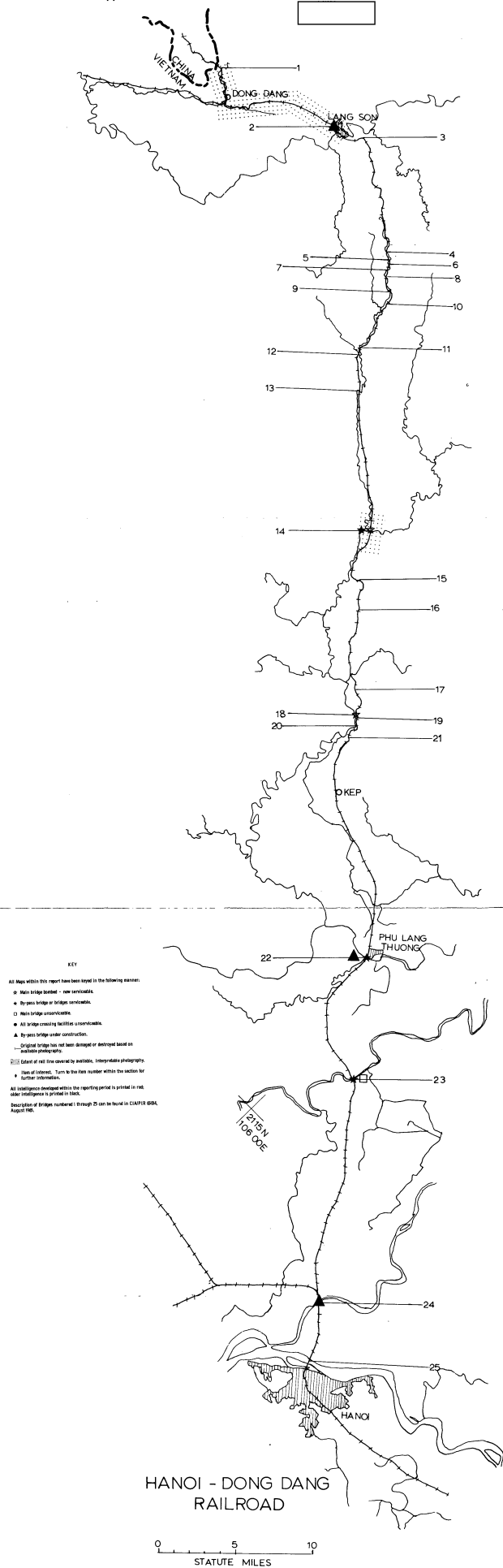
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STATUS OF OBSERVED BRIDGES
 HANOI/LAO CAI RAIL LINE

	Bridge Number and Name	Date last observed	Status	
25X1 30	Lang Thip Railroad Bridge over Ngon Thip [redacted]	[redacted]	S	25X1
25X1 32	Lang Kay Railroad Bridge NW over Ngon Kay [redacted]		S	
25X1 35	Lang Kay Railroad Bridge over Ngon Chuc [redacted]		S	
25X1 37	Lang Kay Railroad Bridge S over Nam Linh [redacted]		S	
25X1 39	Lang Khay Railroad Bridge over Ngon Kay [redacted]		S	
25X1 41	Khe Se Railroad Bridge S over stream [redacted]		S	
25X1 43	Trai Hut Railroad Bridge NW over Ngon Cho [redacted]		S	
25X1 44	Trai Hut Railroad Bridge over Nam Lam [redacted]		S	
25X1 45	Som Dong Dep Railroad Bridge over Nam Muoi [redacted]		S	
25X1 47	Lang Quach Ngoai Railroad Bridge N over Ngon Vai [redacted]		S	
25X1 48	Lang Quach Ngoai Railroad Bridge over Ngon Quach [redacted]	S		
25X1 51	Pho Chang Railroad Bridge over Ngon Trang [redacted]	S		
25X1 55	Pho Hop Railroad Bridge over Ngon Hop [redacted]	S		
25X1 67	Phu Tho Railroad Bridge E over stream [redacted]	S		

* All data is compiled from photography dated [redacted] or thereafter.
 Symbols: S = serviceable, U = unserviceable



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STATUS OF OBSERVED BRIDGES
HANOI/DONG DANG RAIL LINE

	Bridge Number and Name	Date last observed	Status
25X1	14 Cao Nung Railroad Bridge over Song Hoa [REDACTED]	[REDACTED]	S
25X1	14 Cao Nung Railroad Bridge E over Song Hoa [REDACTED]		S
25X1	22 Bac Giang Railroad and Highway Bridge over Song Thuong [REDACTED]		S
25X1	23 Dap Cau Railroad and Highway Bridge over Song Cau [REDACTED]		U
25X1	23 Dap Cau Railroad Bridge over Song Cau [REDACTED]		S

25X1

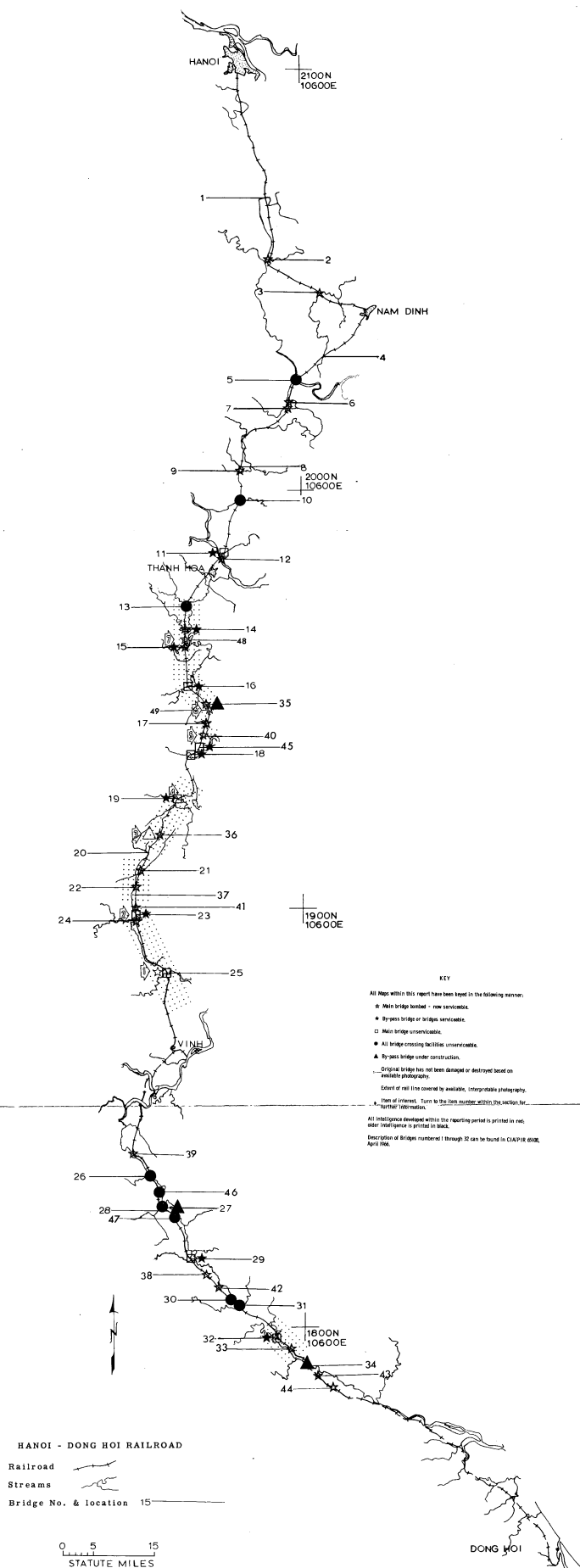
* All data is compiled from photography dated [REDACTED] or thereafter.

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Symbols: S = serviceable, U = unserviceable

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FIGURE 4

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STATUS OF OBSERVED BRIDGES
HANOI/DONG HOI RAIL LINE

	<u>Bridge Number and Name</u>	<u>Date last observed</u>	<u>Status</u>
25X1	3 Cao Duong Railroad and Highway Bridges over Canal [REDACTED]	[REDACTED]	S
25X1	5 Ninh Binh Railroad and Highway Bridge over Song Day ([REDACTED])		U
25X1	5 Ninh Binh Railroad Bridge over Song Day [REDACTED]		U
	5 Ninh Binh Railroad Pontoon Bridge		U
25X1	6 Ha Thon Railroad and Highway Bridge over Song Vac [REDACTED]		S
25X1	7 Ly Nhan Railroad and Highway Bridge over stream [REDACTED]		S
25X1	9 Yen Xa Railroad and Highway Bridge over stream [REDACTED]		S
25X1	10 Dong Phong Thuong Railroad and Highway Bridge over Song Len [REDACTED]		U
25X1	10 Dong Phong Thuong Railroad Bridge S over Song Len [REDACTED]		U
25X1	10 Dong Phong Thuong E Railroad By-Pass Bridge [REDACTED]		U
25X1	11 Phuong Dinh Railroad and Highway Bridge over Lach Truong [REDACTED]		U
25X1	11 Phuong Dinh Railroad Bridge over Lach Truong [REDACTED]		S
25X1	12 Thanh Hoa Railroad and Highway Bridge over Song Ma [REDACTED]		S
25X1	13 Thien Linh Dong Railroad Bridge over Hoang Giang [REDACTED]	U	

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	<u>Bridge Number and Name</u>	<u>Date last observed</u>	<u>Status</u>
13	Thien Linh Dong Railroad Bridge SW over River [REDACTED]	[REDACTED]	U
14	Thinh Lac Railroad Bridge over stream [REDACTED]		S
14	Thinh Lac Railroad Bridge SSW over stream [REDACTED]		S
15	Truong Quang Tien Railroad Bridge over Song Yen Tr [REDACTED]		U
15	Truong Quang Tien Railroad Bridge E over River [REDACTED]		S
16	Thi Long Railroad Bridge over Suoi Cay Gang [REDACTED]		U
16	Thi Long Railroad Bridge SW over Suoi Cay Gang [REDACTED]		S
17	Phu Quat Railroad Bridge over stream [REDACTED]		S
18	Dia Thuy Railroad Bridge SW over Khe Dua [REDACTED]		U
18	Dia Thuy Railroad Bridge NW over Khe Dua [REDACTED]		S
19	Qui Vinh Railroad Bridge No. 1 over Song Hoang Mai [REDACTED]		U
19	Qui Vinh Railroad Bridge No. 2 over Song Hoang Mai [REDACTED]		S
19	Qui Vinh Railroad Bridge No. 3 over Song Hoang Mai [REDACTED]	U	
19	Qui Vinh Railroad Bridge No. 4 over Song Hoang Mai [REDACTED]	S	
21	Long Ngoc Railroad and Highway Bridge over unknown barrier [REDACTED]	S	

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	<u>Bridge Number and Name</u>	<u>Date last observed</u>	<u>Status</u>
22	Dong Khe Railroad Bridge over stream [redacted]	[redacted]	S
23	Dien Chau Railroad Bridge over Song Bang [redacted]		U
23	Dien Chau Railroad Bridge E over Song Bang [redacted]		S
24	Da Phuc Railroad Bridge over Intermittent Waterway [redacted]		S
25	Tam Da Railroad and Highway Bridge over Song Cua Lo [redacted]		U
25	Tam Da Railroad By-Pass Bridge		S
26	Trai Hoi Railroad and Highway Bridge over Ngan Sau [redacted]		U
27	Xom Hoai Railroad and Highway Bridge over Rao No [redacted]		U
32	Xom Khe Railroad Bridge over Khe Net [redacted]		U
32	Xom Khe Railroad Bridge By-Pass over Khe Net		S
33	Kim Lu Xa Railroad Bridge over Khe Danh [redacted]		S
35	Thi Long Railroad Bridge SE over stream [redacted]		S
36	Tho Trang Railroad Bridge over stream [redacted]		S
39	Quang Te Railroad Bridge over Khe Hac Giang [redacted]		U
40	Qui My Railroad Bridge over stream [redacted]		S
41	Tu My Railroad Bridge	S	

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	<u>Bridge Number and Name</u>	<u>Date last observed</u>	<u>Status</u>
25X1	43 Dong Ca Thon Railroad and Highway Bridge over Cai Khe ([REDACTED])	[REDACTED]	S
25X1	45 Phu Cu Railroad Bridge N over stream [REDACTED]		U
25X1	48 Sai Thon Railroad Bridge N over stream [REDACTED]		S
25X1	49 Nap Bang Railroad Bridge over stream [REDACTED]		S

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* All data is compiled from photography dated 1 January 1967 or thereafter.

Symbols: S = serviceable, U = unserviceable

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ITEM OF INTEREST NO. 1: Hanoi/Dong Hoi Rail Line

NAME : Tam Da RR. and Hwy. Bridge

BE

:

COORDINATES : 18 50N - 105 39E, WF691839

PHOTO REFERENCE

:

MAP REFERENCE

: JOG (A) 1501, NE 48-7

25X1

The probable 14-span deck-beam Tam Da Railroad Replacement Bridge is undergoing repairs, but remains presently unserviceable (Figure 5). A multi-span, deck-beam by-pass bridge approximately 1650' S of the main bridge, previously reported under construction, has been completed and is serviceable (Figure 6).

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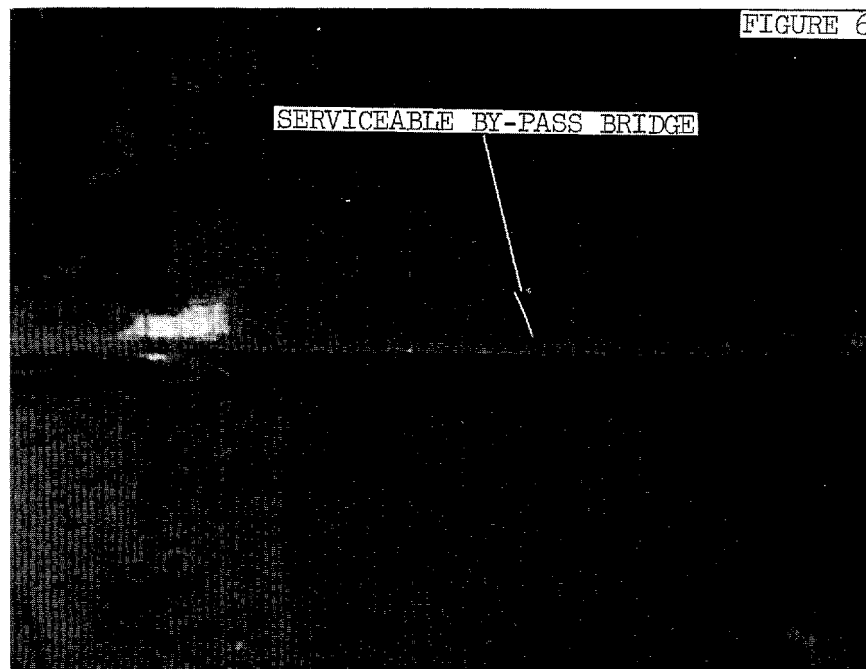
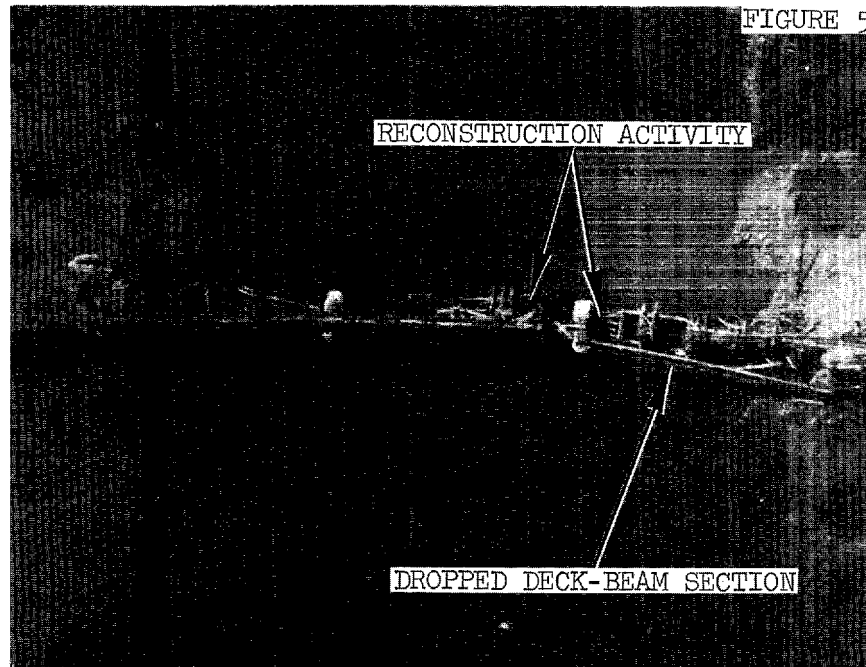
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ITEM OF INTEREST NO. 2: Hanoi/Dong Hoi Rail Line

NAME : Dien Chau RR. Bridge

BE :

COORDINATES : 18 58N - 105 35E, WF613978

PHOTO REFERENCE :

MAP REFERENCE : JOG (A) 1501, NE 48-7

Construction of a probable deck-beam railroad replacement bridge has commenced at the site of the original Dien Chau Railroad Bridge (Figure 7). Piers are presently being erected, some of which are being built on top of the dropped spans of the original bridge.

A by-pass bridge, the Dien Chau Railroad Bridge E is presently serviceable (not illustrated). A second by-pass is under construction approximately 1300' northwest of the main bridge (Figure 8). This bridge will probably be a 12-span deck-beam structure when completed. All but 2 spans are now in place; however, there is no track on either the approaches or the bridge.

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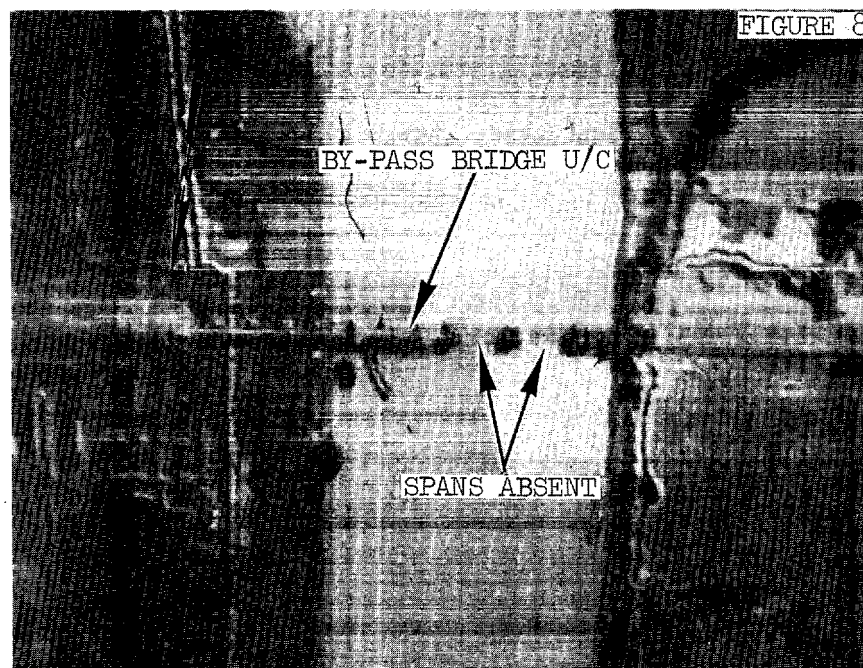
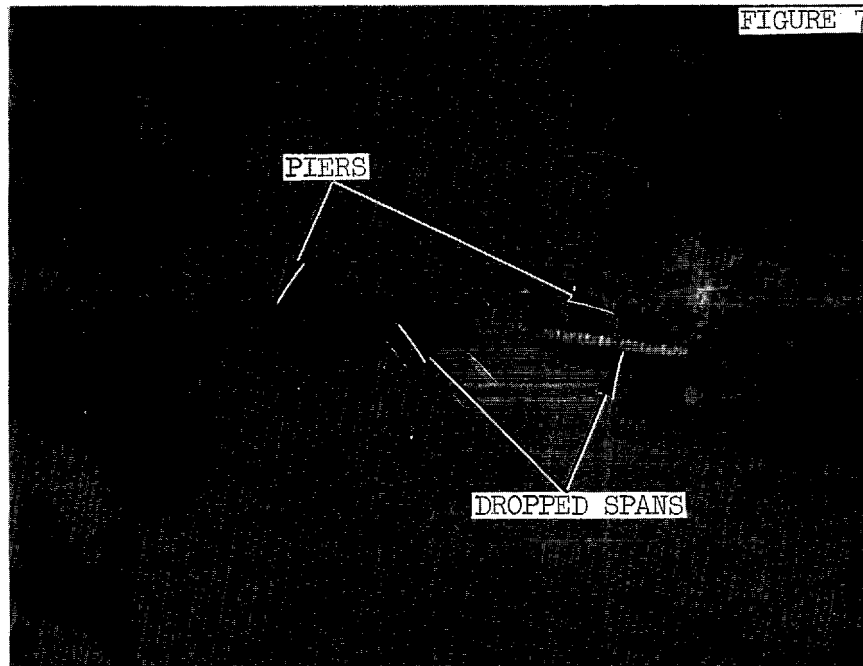
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ITEM OF INTEREST NO. 3: Hanoi/Dong Hoi Rail Line

NAME : Tho Trang RR. By-Pass Bridge

BE : NA

COORDINATES : 19 09N - 105 37E, WG650180

PHOTO REFERENCE :

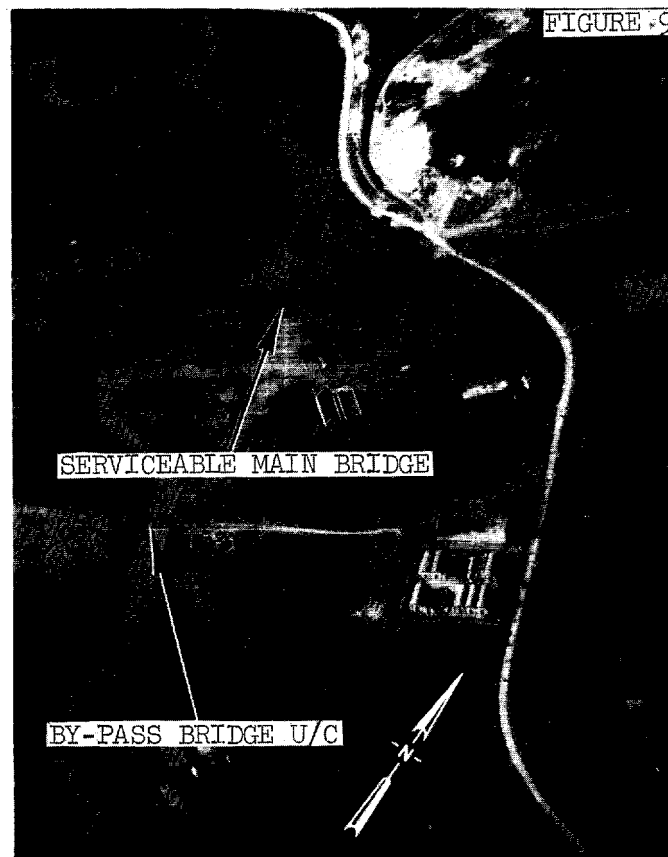


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MAP REFERENCE : JOG (A) 1501, NE 48-3

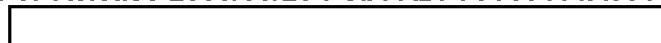
A by-pass bridge is under construction approximately 350' east of the serviceable Tho Trang Railroad Bridge [REDACTED]. This is the first by-pass to be constructed at this river crossing.

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25X1

ITEM OF INTEREST NO. 4: Hanoi/Dong Hoi Rail Line

NAME : Qui Vinh RR. Siding

BE

:

COORDINATES : 19 16N - 105 42E, WG733302

PHOTO REFERENCE

:

MAP REFERENCE : JOG (A) 1501, NE 48-3

25X1

Through service in the Qui Vinh Railroad Siding has been interrupted (Figure 11). Two craters near the center of the siding have cut the 3 through tracks. Two small 2-axle flat cars are damaged, and 23 are serviceable. Nine box cars located on a previously severed track also appear to be serviceable. A locomotive and tender are probably abandoned just north of the yard at UTM WG742306 (Figure 10).

A by-pass track is presently under construction around the siding (partially illustrated in Figure 10).

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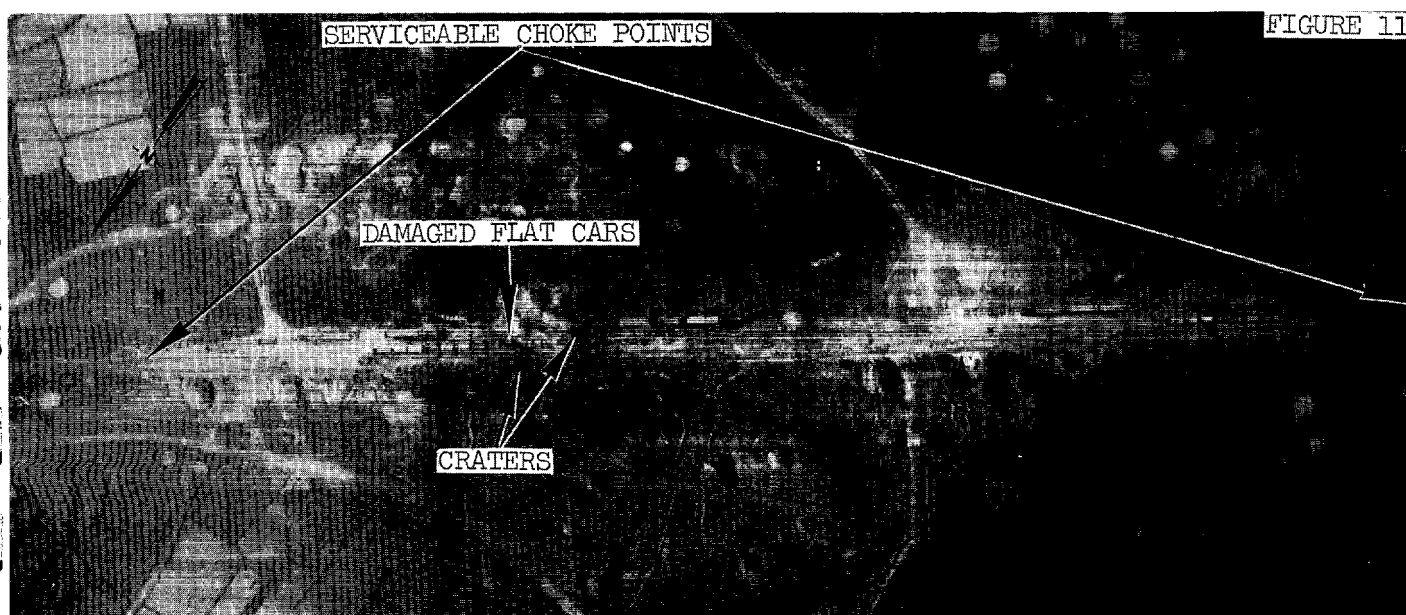
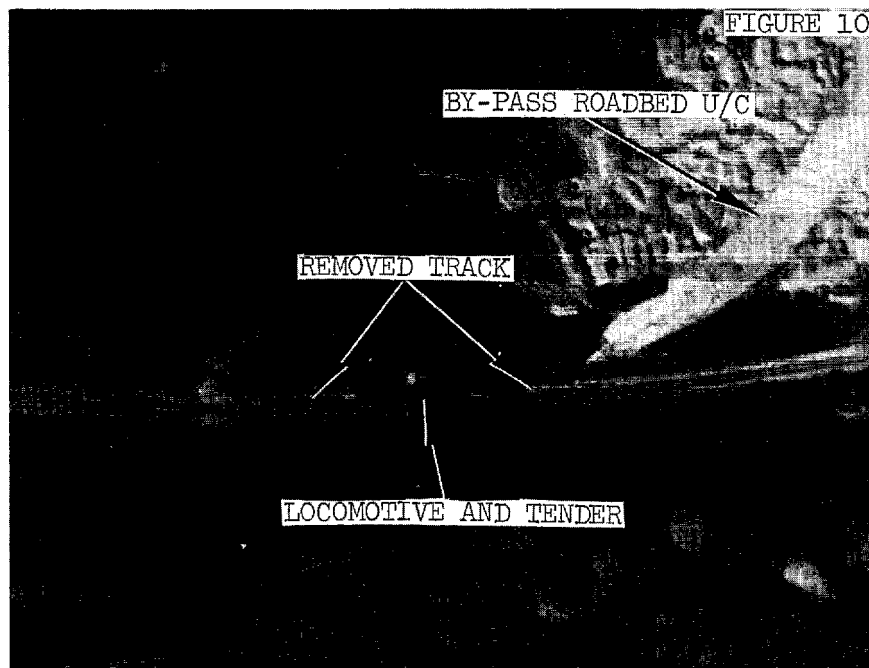
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25X1

ITEM OF INTEREST NO. 5: Hanoi/Dong Hoi Rail Line

NAME : Qui My RR. Bridge

BE

: [REDACTED]

COORDINATES : 19 25N - 105 45E

PHOTO REFERENCE

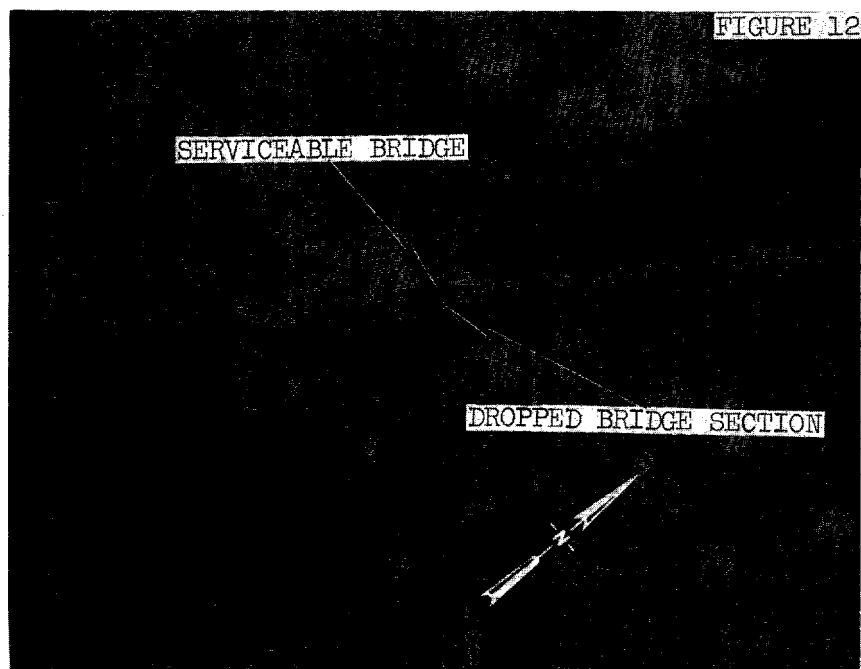
: [REDACTED]

MAP REFERENCE

: JOG (A) 1501, NE 48-3

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The Qui My Railroad Bridge has probably been bombed and repaired. The first replacement bridge has been dropped into the stream, and a second one is presently in place on the original abutments and is serviceable.



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ITEM OF INTEREST NO. 6: Hanoi/Dong Hoi Rail Line

NAME : Nap Bang RR. Bridge

BE

:

COORDINATES : 19 29N - 105 45E, WG790558

PHOTO REFERENCE

:

MAP REFERENCE : JOG (A) 1501, NE 48-3

The single-span, half-through truss Nap Bang Railroad Bridge has been dropped. A wood and steel deck-beam span has been erected on the original abutments and is presently serviceable.

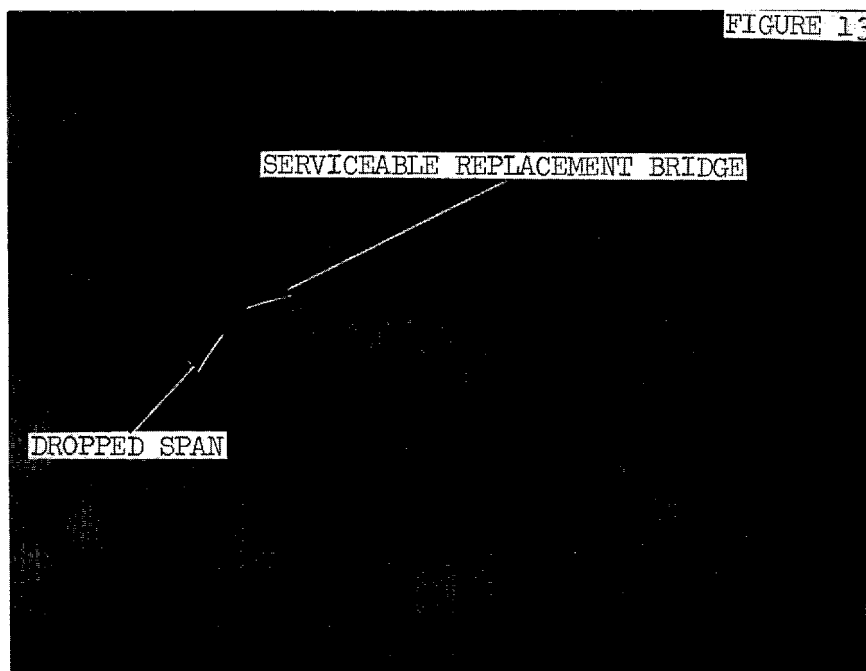


FIGURE 13

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ITEM OF INTEREST NO. 7: Hanoi/Dong Hoi Rail Line

NAME : Sai Thon RR. Bridge N

BE

:

COORDINATES : 19 38N - 105 42E, WG740720

PHOTO REFERENCE

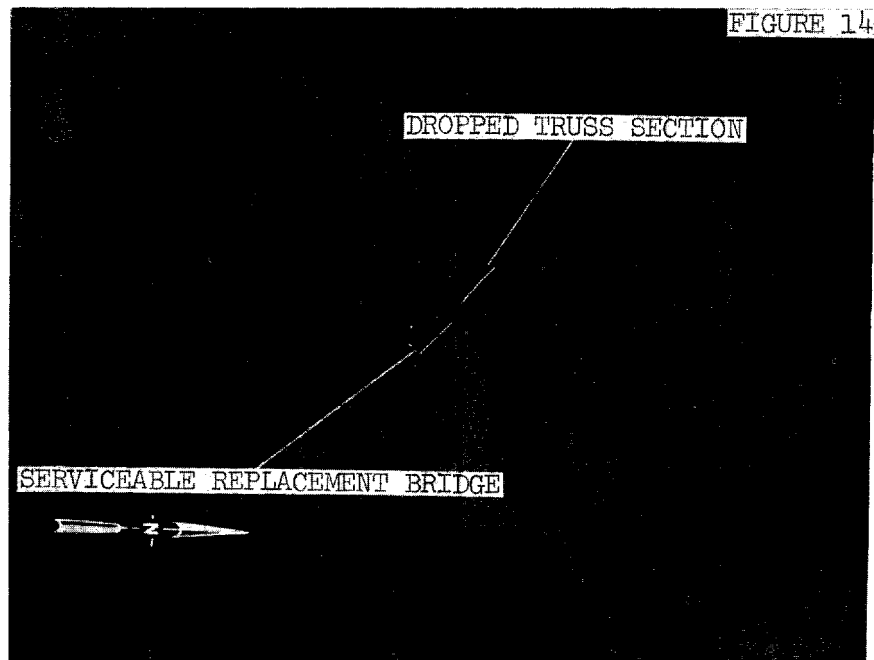
:

MAP REFERENCE

: JOG (A) 1501, NE 48-3

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The 2-span, half-through truss section of the Sai Thon Railroad Bridge has been dropped. Two wood and steel deck-beam spans have been erected across the destroyed section, and this replacement bridge is now serviceable.



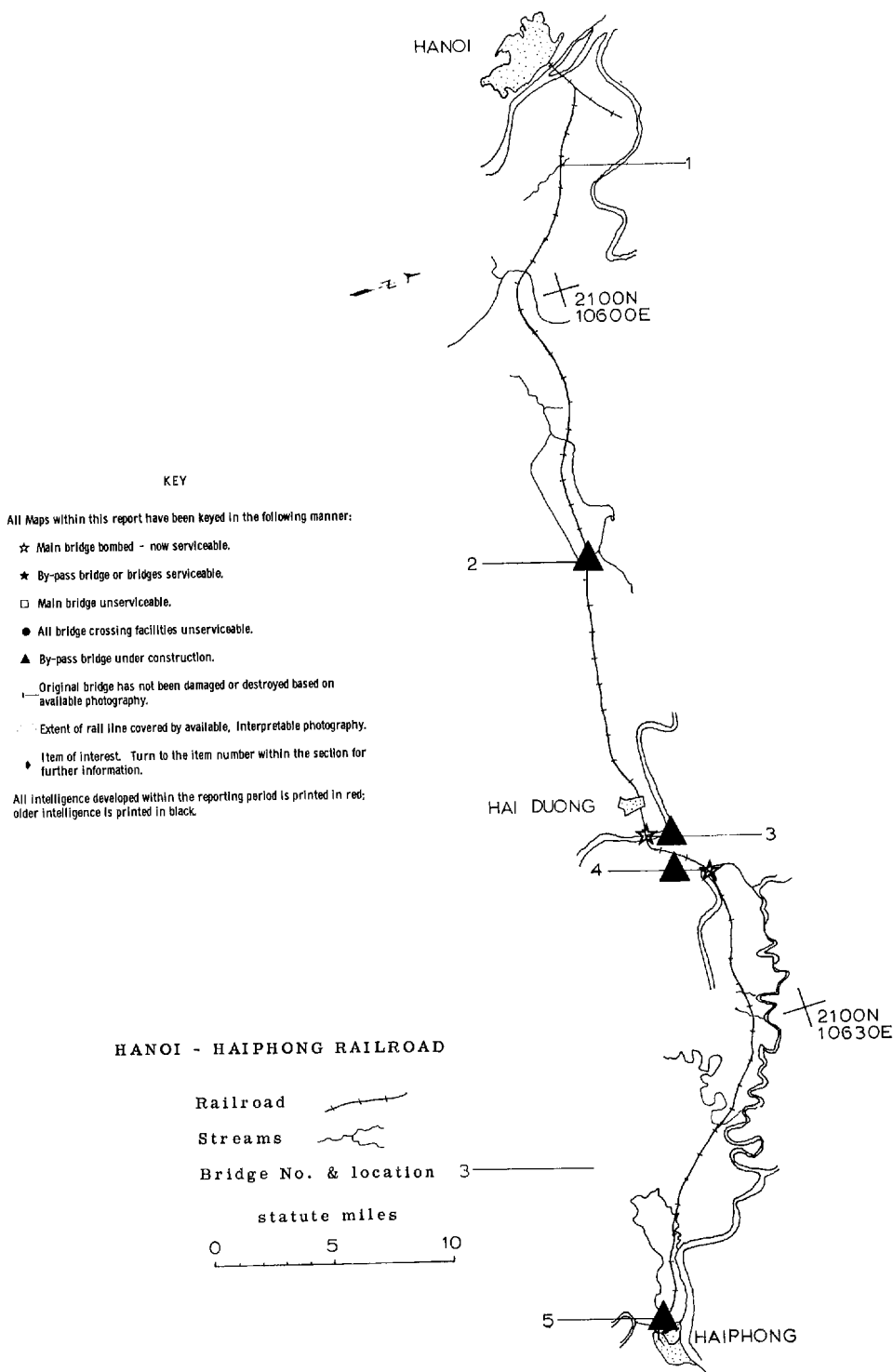
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FIGURE 15



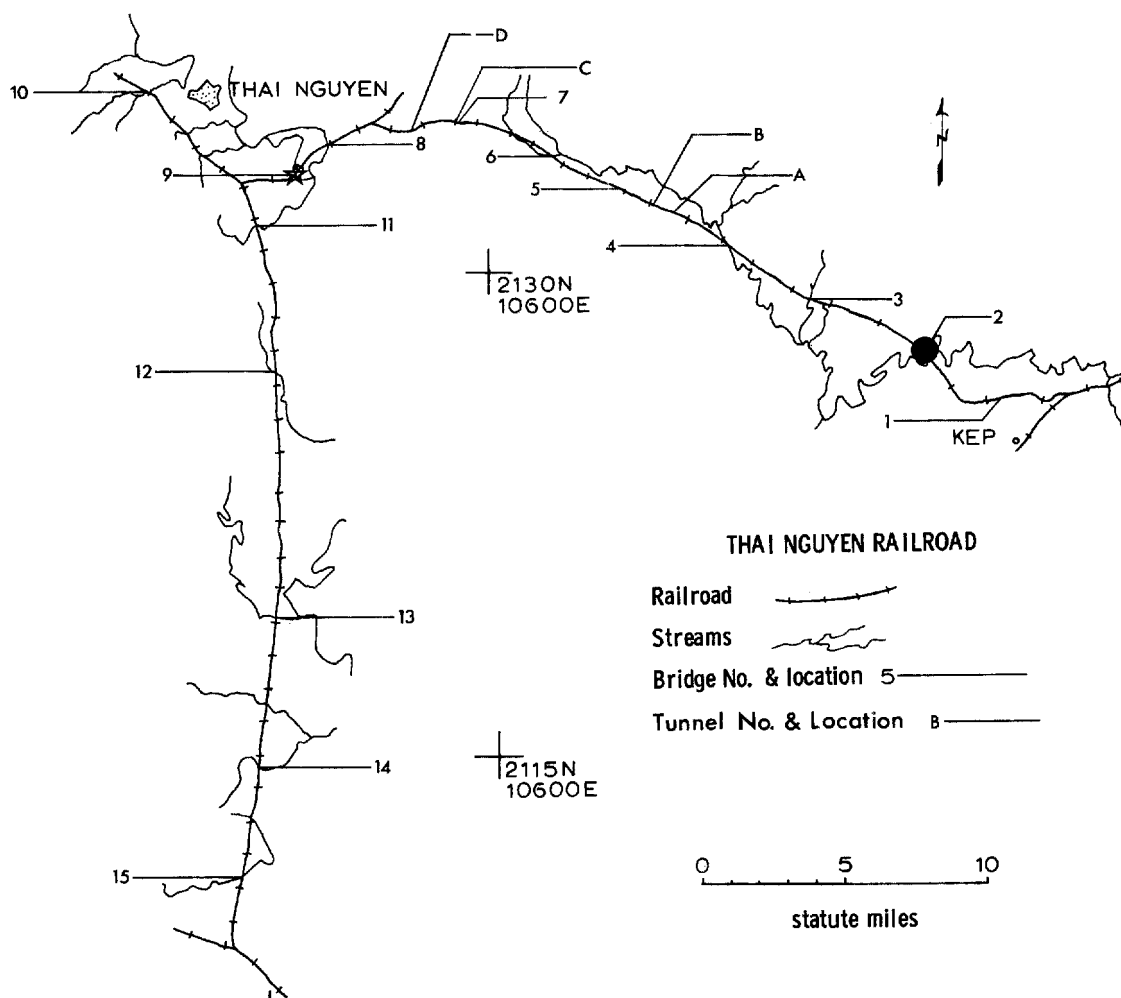
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KEY

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- ★ Main bridge bombed - now serviceable.
- ★ By-pass bridge or bridges serviceable.
- Main bridge unserviceable.
- All bridge crossing facilities unserviceable.
- ▲ By-pass bridge under construction.
- Original bridge has not been damaged or destroyed based on available photography.
- Extent of rail line covered by available, interpretable photography.
- Item of Interest. Turn to the item number within the section for further information.

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STATUS OF OBSERVED BRIDGES
THAI NGUYEN RAIL LINE

	<u>Bridge Number and Name</u>	<u>Date last observed</u>	<u>Status</u>
25X1	2 Dong Muc Railroad Bridge over Song Thuong ()		U
25X1	9 Lang Lau Railroad Bridge over Song Cau ()		S

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* All data is compiled from photography dated () or thereafter.

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Symbols: S = serviceable, U = unserviceable

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